



משרות במרכז המחקר והפיתוח של מיקרוסופט בישראל

Hardware Student – Surface team

Location: Herzeliya

This Job is eligible for the following work arrangements: Part-Time

Surface Israel is looking for talented electrical engineer intern for the system engineering group. Surface Israel team is developing custom technology solution for Microsoft's Surface products. The system group is leading the development of the solutions which include mixed signal ICs, signal and image processing algorithms, physical modeling, electro-mechanical design. The job provides an incredible opportunity to be part of a team which changes the way we interact with computers.

Requirements:

- M.Sc. student in Electrical engineering or Computer engineering from an accredited university. Average grade over 80
- Availability of at least 20-25 hours per week. Flexible to work over time when required.
- Excellent written and verbal communication skills.
- Talented, motivated and good interpersonal skills.
- Strong analytical and problem solving skills.
- Self-learner with ability to learn quickly.

*** We greatly encourage and welcome qualified candidates who happen to have disabilities to apply for jobs in our company

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משרות במרכז המחקר והפיתוח של מיקרוסופט בישראל

Research Student – Aorato

Location: Herzeliya

This Job is eligible for the following work arrangements: Part-Time

Aorato team in Israel (Acquired by Microsoft) is an innovator in enterprise security.

Aorato will give customers a new level of protection against threats through better visibility into their identity infrastructure. With Aorato we will accelerate our ability to give customers powerful identity and cyber-security solutions that span on-premises and the cloud, which is central to our overall hybrid cloud strategy

Aorato's sophisticated technology learns entities' behavior by building organizational security interaction graph and analyzes it using machine learning, to detect suspicious activities of users, devices and resources on a company's network.

Requirements:

- Excellent student (85 GPA) for B.Sc./M.Sc. degree in Computer Science or a related technical discipline, 4th semester or above.
- Fluent enough in at least one programming/scripting language to independently code a working Proof of Concept (PoC) to demonstrate your ideas
- Good understanding of Networking and LAN networks
- Knowledge and love for communication protocols and their analysis
- Team player, confident, independent and enthusiastic!
- Knowledge in security, preferably hands-on
- Experience with network analysis using Wireshark

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משרות במרכז המחקר והפיתוח של מיקרוסופט בישראל

Software Engineer student- Recommendation team

Location: Herzeliya

Interactive Entertainment Business (IEB) has a broad mission to “re-invent entertainment, led from the living room, powered by the cloud, across multiple screens and best experienced on our devices”.

IEB has a rich set of assets with Xbox, Xbox Live, Kinect, Zune Marketplace, etc. with a highly active and engaged customer base. Using modern high-scale distributed systems and analytics to create a data driven feedback loop that encompasses customers, product designers, content creators and the marketplace that informs design and delivers rich contextual personalization is critical for IEB.

The Entertainment Services group has the mission to provide the platform and tools that enable deep insight into our customers’ preferences to improve adoption, usage and satisfaction.

The Xbox Recommendation Service team in Israel is a fast growing team that is responsible for designing, building and delivering the recommendations and personalization solution for IEB (including Xbox, Windows 8, Kinect, and the future TV solution).

If you are passionate about software, data mining, data analysis, statistics, A/B experimentations etc. we are offering a unique and great opportunity for talented people, to help us build the best recommendation system in the world.

Responsibilities include data mining of large datasets using map-reduce technologies, using statistical methods to find patterns in data, coming up with hypothesis and using data to validate them, and being part of a fast moving and growing development team.

Requirements:

- Computer Science degree (5th semester and up) - M.Sc. is preferred
- GPA 85 and above
- At least one year experience in data mining/data analysis methodologies
- At least one year experience in writing code - C# or Java experience is preferred
- Team player, confident and enthusiastic
- Knowledge with web technologies / protocols - an advantage

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Software Engineer student- Aorato

Location: Herzeliya

This Job is eligible for the following work arrangements: Part-Time

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Aorato will give customers a new level of protection against threats through better visibility into their identity infrastructure.

With Aorato we will accelerate our ability to give customers powerful identity and cyber-security solutions that span on-premises and the cloud, which is central to our overall hybrid cloud strategy.

Aorato's sophisticated technology learns entities' behavior by building organizational security interaction graph and analyzes it using machine learning, to detect suspicious activities of users, devices and resources on a company's network.

So, if you are SUPER talented and you want to be part of a SUPER talented team, building an AMAZING product using the NEWEST technologies -> ping us.

Requirements:

- Student for B.Sc./M.Sc. degree in a technical discipline
- must be 4th semester or above, study towards, computer Science degree (5th semester and up).
- GPA above 90.
- 1+ years of experience in software development - C# experience preferred
- Ability to work 3-4 days a week
- Team player, confident, independent and enthusiastic!

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משרות במרכז המחקר והפיתוח
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Service Engineer- Windows Azure Security

Location: Herzeliya

Azure Security Center (ASC) is hiring service engineers to join the team. ASC mission is to protect and keep Azure resources safety. Azure Security Center addressing one of the hottest and most challenging domains of the cyber security space. If you are passionate about operations and have good development background this is a rare opportunity to join the team!

As a Service Engineer in Azure Security Center, you will be working within a service culture where everyone is deeply focused on Live Site.

Responsibilities:

As a Service engineer in Azure Security Center(ASC), you will contribute to the service design, architecture and standards. You will collaborate with Engineering, PM and other Azure teams to ensure the availability and performance of our live site and the satisfaction of our customers, you will build state of the art tools and automations solutions, that will leverage our product capabilities. As part of the service growth you will own the availability, latency, scalability and efficiency of our service to the next level of the service growth. We are also responsible to build the continuous integration infra-structure of our product in order to achieve frequently releasing product kits.

Requirements:

- Experience with monitoring, logging and metrics tools like Nagios, Graphite, Splunk, etc.
- Operational background with understanding of incident & problem management
- Advanced troubleshooting and performance tuning skills
- Experience with centralized configuration systems such as VS, Chef, Puppet, or Jenkins.
- Experience with Azure platform and management APIs (or similar cloud IaaS such as AWS, Azure, Google)
- Strong customer focus and understand the importance of Live Site



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- Self-learner with passion for technologies
- Development background with coding experience (C#, PowerShell, Python, Java, etc.)
- Excellent communication skills

Nice to have:

- Networking skills (TCP/IP, ACLs, DNS, VIPs, etc.)
- Familiar with one or more “Big Data” or NoSQL technologies (MongoDB, Hadoop, Hive, Pig, Cassandra, etc.).
- Cyber Security background

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משרות במרכז המחקר והפיתוח
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Software Engineer Student - Data Security Team

Location: Haifa

How many times have you had a chance to help protect the customers of a multi-billion-dollar business?

In the SQL Data Security team in Microsoft Haifa you will do just that while using cutting edge cloud, “Big Data” and machine learning technologies.

Our team works on a range of components, from the SQL engine to big data processing pipelines, to ensure that thousands of customers can entrust their most valuable asset to Microsoft – their data.

Come join us to make an impact on thousands of customers across the globe.

Requirements:

- Students in the 5th semester or higher who study for SW engineering or Computer Science
- Average grade of 85 and higher

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משרות במרכז המחקר והפיתוח
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Software Engineer - Windows Cyber Defense

Location: Herzeliya

At the Windows Cyber Defense Group which is a newly formed team in the Israel R&D center, our mission is to provide protection and defense for Windows' hundreds of millions of users against malicious attacks and cybercrime. As cyber-attacks are becoming highly sophisticated, easily evading traditional defenses like signature based anti-virus software, and making enterprises more vulnerable, our team is tasked with pushing Microsoft's protection offering into the next stage identify and block cyber-attacks in real-time, research threats and provide the tools and systems needed for protecting the enterprise. We use state of the art technologies like Big Data and Cloud based solutions to develop, research and run our services and to provide the ongoing protection our clients expect.

For building our next generation client, we are looking for a Junior C++ developers which are passionate to learn and develop windows services. Here you will learn to develop software in windows kernel and user mode programming, for building devices driver or client side applications.

We are looking for engineers with strong technical skills that are self-driven and can balance drive for results, team-work and the ability to quickly learn and pick up new technologies & applications.

If you are passionate about developing for windows in a top-notch development team, excited about security and fighting cybercrime, interested in solving complex problems in large scale systems and able to learn and then demonstrate deep understanding of Windows inner workings, come join us - together we can make an impact!

Requirements:

- ~2+ years of professional experience in client side development preferably in C++
- Great operating systems knowledge and understanding
- Good C/C++ knowledge
- Good debugging and problem analysis skills
- B.Sc. in Computer Science (or equivalent)



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Client Software Engineer Student – Windows Cyber Defense Group

Location: Haifa

At the Windows Cyber Defense Group which is a newly formed team in the Israel R&D center, our mission is to provide protection and defense for Windows' hundreds of millions of users against malicious attacks and cybercrime. As cyber-attacks are becoming highly sophisticated, easily evading traditional defenses like signature based anti-virus software, and making enterprises more vulnerable, our team is tasked with pushing Microsoft's protection offering into the next stage - identify and block cyber-attacks in real-time, research threats and provide the tools and systems needed for protecting the enterprise. We use state of the art technologies like Big Data and Cloud based solutions to develop, research and run our services and to provide the ongoing protection our clients expect.

For building our next generation client, we are looking for C++ developer interns which are passionate to learn and develop windows services.

Here you will learn to develop software in windows kernel and user mode programming, for building devices driver or client side applications.

We are looking for students with good technical skills that are self-driven and can balance drive for results, team-work and the ability to quickly learn and pick up new technologies & applications.

If you are passionate about developing for windows in a top notch development team, excited about security and fighting cybercrime, interested in solving complex problems in large scale systems and able to learn and then demonstrate deep understanding of Windows inner workings, come join us - together we can make an impact!

Requirements:

- Students in the 5th semester or higher who study for SW engineering or Computer Science
- Average grade of 80 and higher
- Good operating systems knowledge and understanding



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- Good C/C++ knowledge

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Data Scientist student- OSG Recommendation

Location: Herzeliya

The recommendation team in Israel is a fast-growing team responsible for designing and building recommendation algorithms for a wide array of Microsoft products such as Xbox Games, Xbox Movies, Groove Music, Windows Store, Windows Phone, and much more. We develop cutting edge machine learning algorithms that serve tens of millions of users around the globe.

We are looking for a data scientist intern to join one of the best machine learning groups in the country. Responsibilities include: Working with world class machine learning researchers and data scientists. Help developing real-world machine learning algorithms serving millions of users worldwide. Developing recommender systems for Windows Apps, Phone Apps, Xbox games, movies and music. Working with big data. Statistical analysis of data. Extracting insights from data. Data manipulations (filtering, data transformations, etc.).

Requirements:

- PhD. or MSc. Student preferably in Computer Science, Electrical Engineering or a related field.
- Excellent coding skills. C# or Java is a plus.
- Hands on experience working with large data sets.
- Familiarity with machine learning or data mining algorithms.
- Familiarity with statistics.
- Ability to work 3 days a week.
- At least 1 year remaining before final graduation.
- Passionate about big-data.

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Research Engineer Student- Secure Islands

Location: Herzeliya

We are the Cloud and Enterprise Information Protection Group, IL team, which is based on the newly acquired start-up Secure Islands.

Our mission: To provide protection for the sensitive data of our customers. Among those are organizations which hold highly sensitive and targeted data.

Our focus is classifying organization data using various techniques and technologies, then encrypt and provide access and right management for data identified as sensitive, using our Azure RMS cloud based encryption service.

For more information - watch <<https://youtu.be/EM9uZ87L3oo>> or search Azure RMS / Secure Islands.

We're looking for an RSE to lead developing and prototyping content classification technologies to improve our classification engine.

in the role, you'll need to learn, POC and innovate on content classifiers based upon various NLP and machine learning technique existing in research and in Microsoft.

We are seeking for top-notch talent who are passionate about creating real life Software solutions based on NLP and machine learning constructs.

Requirements:

- M.Sc. / Ph.D. student in Computer Science or Mathematics Industry
- experience in supervised machine-learning Industry experience in Object Oriented Programming in one of the following languages: C/C++/Java/C#/Python

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Software Engineer Student – Cortana

Location: Herzeliya

We ship Cortana!

Our team builds the personalization core services of Cortana in the cloud.

Requirements:

- 1+ years of experience in definition, design and implementation of object oriented software.
- Degree in Computer Sciences or Software Engineering from one of the leading universities (B.Sc. / M.Sc). GPA: 85+.
- Passion for quality and building Internet scale systems.
- Excellent people skills, team player, confidence and “can do” attitude.
- Passion for learning new technologies.
- Willingness and ability to do research along with software development.
- Knowledge in Machine Learning and Data mining - an advantage

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